

ABSTRACT

Novel mutated mammalian cells are provided that have
5 been characterized by identifying the sequence of the
genes that have been mutated. Preferably, novel mutated
cells are murine ES cells that stably incorporate
retroviral gene trap constructs in the specifically
identified genes. The novel mutated cells and animals are
10 useful in functional genomic analysis, and in the
discovery and development of new therapeutic and
diagnostics agents and methods.